

## Denali DX LED Driving Lights Dual Intensity

TT-DX Instruction Rev: 00

### PLEASE READ BEFORE INSTALLING

TWISTED THROTTLE products should be installed by a qualified, experienced motorcycle technician. If you are unsure of your ability to properly install a product, please have the product installed by your local motorcycle dealer. TWISTED THROTTLE takes no responsibility for damages caused by improper installation.

All screws, bolts, and nuts, including all replacement hardware provided by TWISTED THROTTLE should be tightened to the torque specified in the OEM maintenance manual for your motorcycle. If no torque specifications are provided in the OEM maintenance manual, the following torques may be used:

M5.....	3.5 ft-lbs (5 Nm)
M6.....	7 ft-lbs (9.6 Nm)
M8.....	13 ft-lbs (18 Nm)












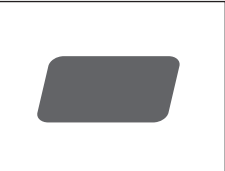
All screws, bolts, and nuts should be checked after driving the first 30 miles (50 km) to ensure that all are tightened to the proper torque.

Medium strength liquid thread-locker (i.e., "Locktite") should be used to secure all screws, bolts, and nuts.

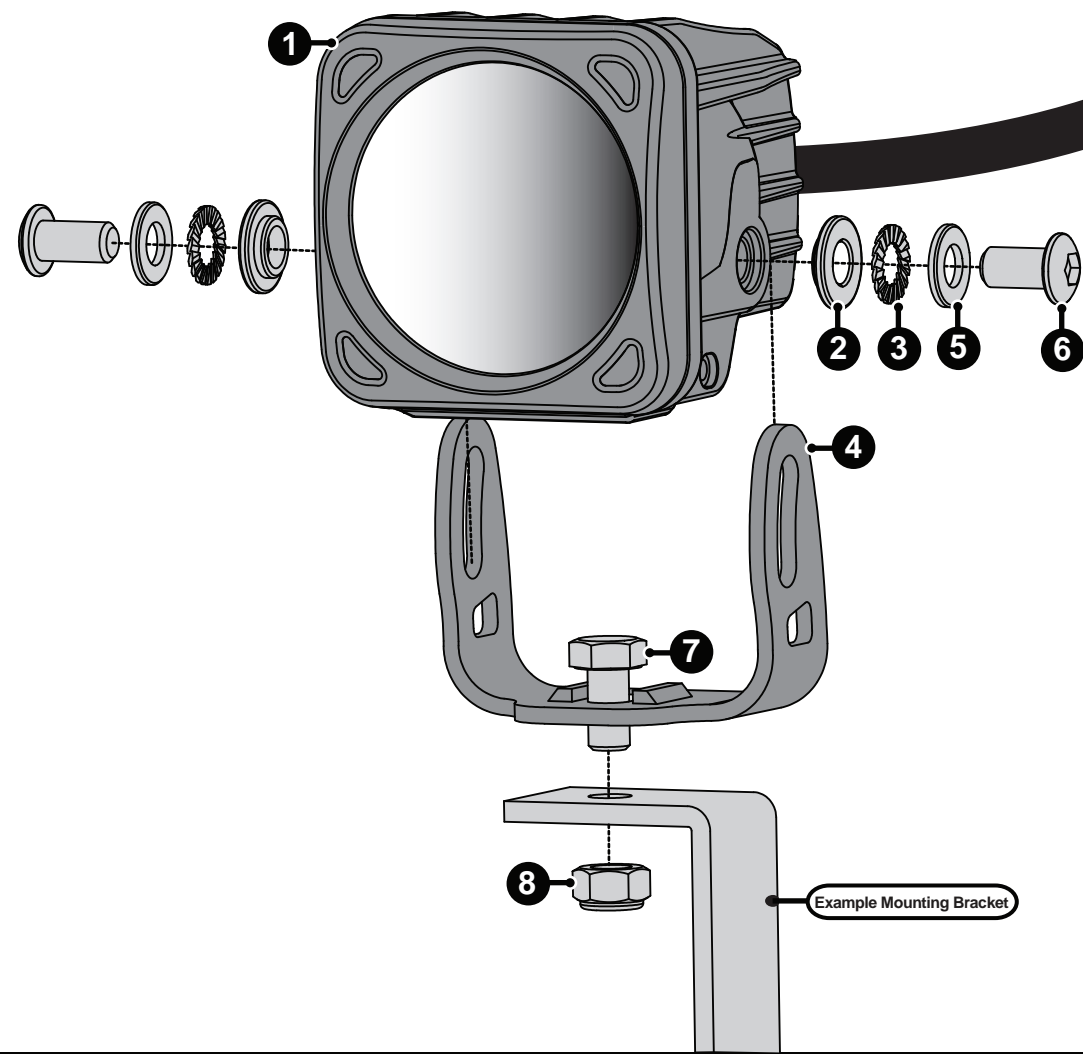
Twisted Throttle LLC  
570 Noose Neck Rd  
Exeter, RI 02822

phone: 401.284.4200  
fax: 401.223.6955  
www.twistedthrottle.com

### Kit Contents

<b>1</b> DX LED light Pod  10° Optic Installed Qty.....2	<b>2</b> Rubber Bushing  Qty.....4	<b>3</b> Spur Washer (M8)  Qty.....4	<b>4</b> "U" Bracket Hinge  M8 through hole Qty.....2
<b>5</b> Washer (M8)  M8 Qty.....4	<b>6</b> Lens Head Screw  M8x16.....DIN 7380 Qty.....4	<b>7</b> Hex Head Screw  M8x16.....DIN 933 Qty.....2	<b>8</b> Lock Nut (M8)  M8.....DIN 985 Qty.....2
<b>9</b> Dual Intensity Wiring Harness  5 Amp Fuse Qty.....1	<b>10</b> Posi-Tap Connector  Qty.....2	<b>11</b> Zip Tie  Qty.....4	<b>12</b> Double Stick Mount  Qty.....1

**WARNING!** – Only use the included wiring harness to wire Denali lights. Even though the plug may be similar to other wiring, Denali lights have unique circuitry that can easily be damaged by using wiring other than the included harness.



# Wiring Instructions

## Wiring Option One:

### Standard Dual Intensity (high and low)

#### Function:

In this wiring configuration, Denali DX lights will function perfectly in sync with your original headlight. The DX low beam (40% intensity) will come on when your motorcycle is turned on, and the DX high beam (100% intensity) will come on when you switch your high beams on. To turn the DX light system off entirely, simply press the lighted on/off switch.

#### How to Wire:

(1) Attach the positive and negative ring terminals to the battery.

(2) Identify the **white** wire (switched power) . Use one posi-tap connector to tap the white wire into the motorcycles low beam headlight wire. If your bike has a dual filament bulb (H4, Hs1) you will need to tap into any switched 12 volt power source. For example, your motorcycles running light wire or dash light wire are a switched 12 volt power source.

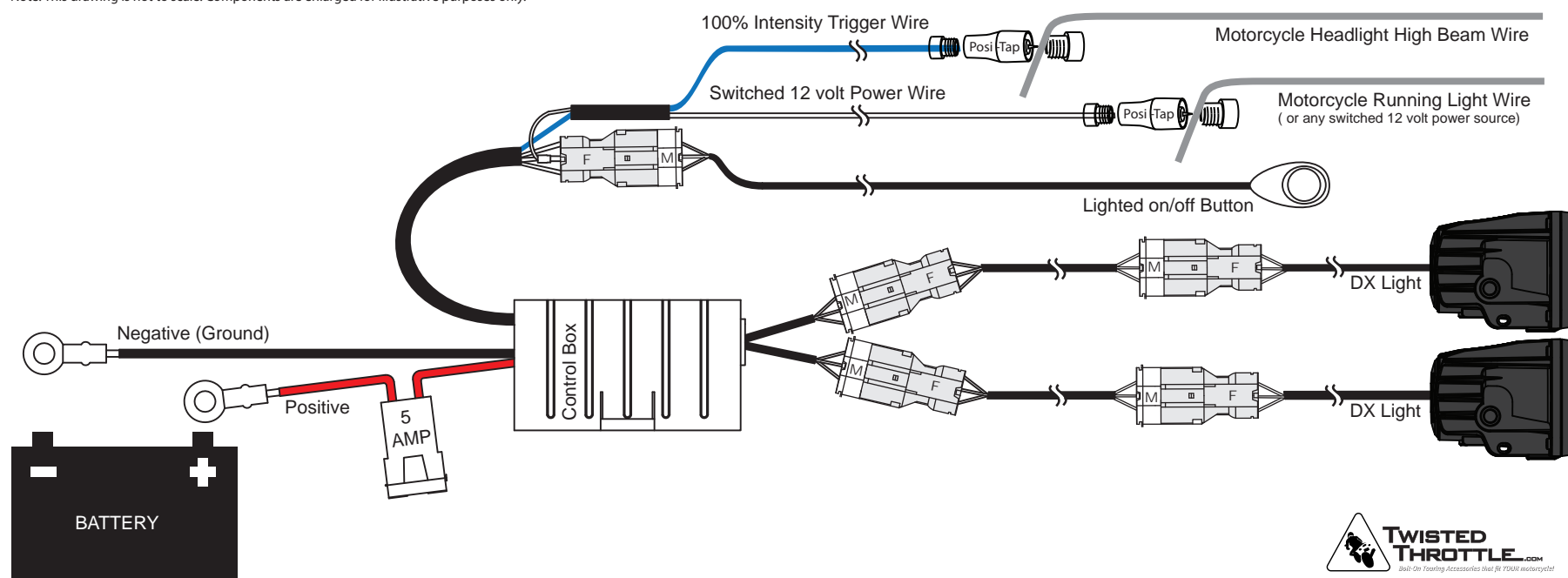
(3) Identify the **blue** wire (100% intensity trigger). Use one posi-tap connector to tap the blue wire into the high beam headlight wire of your motorcycle.

(4) Connect the DX Lights and mount the switch. Check to make sure they are functioning properly. Make sure all wires and switch are properly routed from the battery to the lights avoiding hot surfaces, sharp objects, and moving parts.

Note: Universal and bike specific mounting kits are available at [twistedthrottle.com](http://twistedthrottle.com). Additional wiring options are possible.

## Wiring Diagram (Dual Intensity)

Note: This drawing is not to scale. Components are enlarged for illustrative purposes only.



DENALI // DX LED Dual Intensity Driving Lights // TT-DX

**WARNING!** – If mounting the lights to the front fender, forks, or fairing, turn the handlebars fully left and right and fully compress & uncompress the suspension to ensure the wires will not bind and have enough slack for your motorcycle to operate properly.

## Wiring Instructions

### Wiring Option Two:

#### Full Intensity (no low beam)

#### Function:

In this wiring configuration, Denali DX lights will function at 100% intensity (high beam) independent of your motorcycles original headlight. The integrated switch will allow you to turn your DX lights on and off at 100% intensity only.

#### How to Wire:

(1) Attach the positive and negative ring terminals to the battery.

(2) Identify the **white** wire (switched power) and the blue wire (100% intensity trigger).

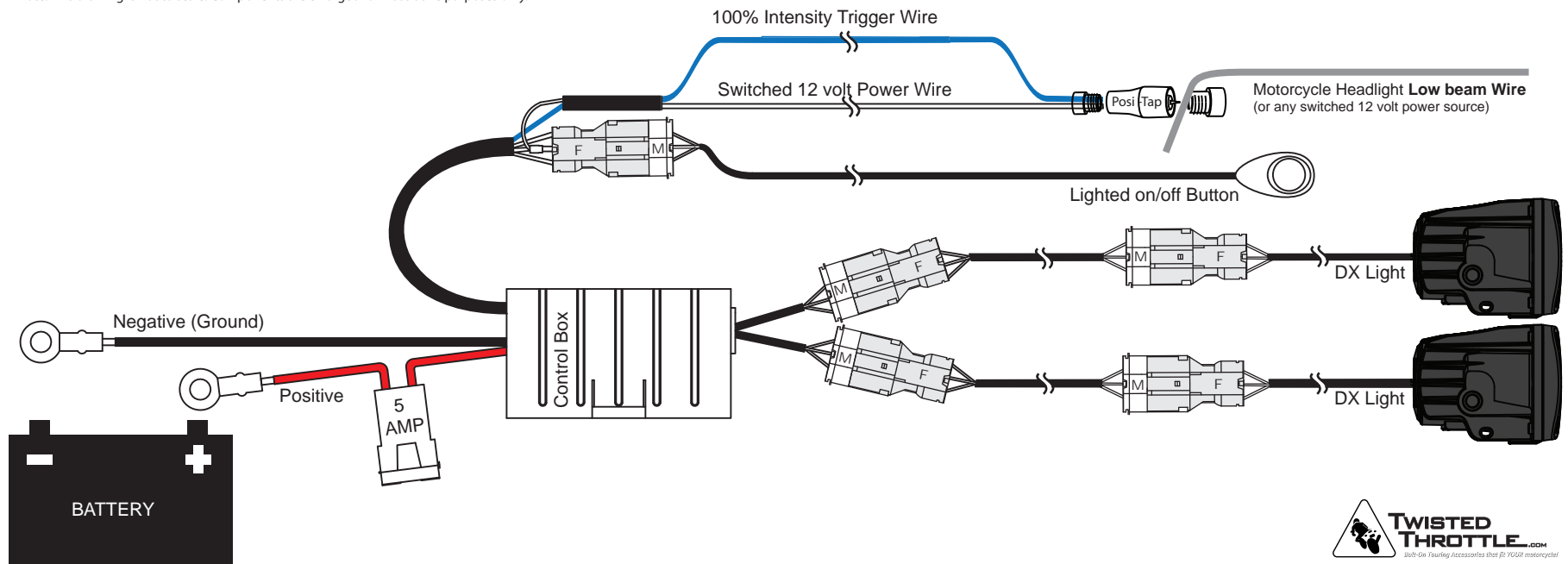
(3) Twist the exposed ends of the two wires together, then fasten both wires through the small end of one posi-tap connector. Tap the combined blue and white wire into the motorcycles low beam headlight wire or any switched 12 volt power wire (a rear running light wire or dash light wire would also work)

(4) Connect the DX Lights and mount the switch. Check to make sure they are functioning properly. Make sure all wires and switch are properly routed from the battery to the lights avoiding hot surfaces, sharp objects, and moving parts. If mounting the lights to the front fender, forks, or fairing, turn the handlebars fully left and right and fully compress & uncompress the suspension to ensure the wires will not bind and have enough slack for your motorcycle to operate properly.

Note: Universal and bike specific mounting kits are available at [twistedthrottle.com](http://twistedthrottle.com). Additional wiring options are possible.

## Wiring Diagram (Full Intensity)

Note: This drawing is not to scale. Components are enlarged for illustrative purposes only.



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**WARNING!** – If mounting the lights to the front fender, forks, or fairing, turn the handlebars fully left and right and fully compress & uncompress the suspension to ensure the wires will not bind and have enough slack for your motorcycle to operate properly.